



0590

06/01

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/770,689

Source:

018E

Date Processed by STIC:

6/7/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/770,689

DATE: 06/07/2001

TIME: 12:19:27

Input Set : A:\Seqlist.txt

Output Set: C:\CRF3\06072001\I770689.raw

Does Not Comply
Corrected Diskette Needed

4 <110> APPLICANT: YAN, Chunhua et al
 6 <120> TITLE OF INVENTION: ISOLATED HUMAN RAS-LIKE PROTEINS,
 7 NUCLEIC ACID MOLECULES ENCODING THESE HUMAN RAS-LIKE
 8 PROTEINS, AND USES THEREOF
 10 <130> FILE REFERENCE: CL001079
 12 <140> CURRENT APPLICATION NUMBER: 09/770,689
 13 <141> CURRENT FILING DATE: 2000-01-29
 15 <160> NUMBER OF SEQ ID NOS: 5
 17 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

1846 <210> SEQ ID NO: 4
 1847 <211> LENGTH: 726
 1848 <212> TYPE: DNA
 1849 <213> ORGANISM: Human
 1851 <220> FEATURE:
 1852 <221> NAME/KEY: misc_feature
 1853 <222> LOCATION: (1)...(726)
 1854 <223> OTHER INFORMATION: n = A,T,C or G
 1856 <400> SEQUENCE: 4

E--> 1857 mcaastqled sllgkmlatc gdaenqlale lscnevfvek shvqqllygla evenbrldkq 60
 E--> 1858 rkqlarivld wdsvarwnq ahkssgtntf gipskidtlk eemdeagnkv eqckkdqlaad 120
 E--> 1859 mynfmakege ygkffvtlle aqadyhrkal avlektlpem rahqdkwaek pafgtplaeh 180
 E--> 1860 lkrsgreial pieacvmlil etgmkeeglf rigagasklk klkaaldcst shldefysdp 240
 E--> 1861 havagalksy lrelpeplmt fnlyeewtqv asvqddqdkl qdlwrtcqkl ppqnfvnfry 300
 E--> 1862 likflaklaq tsdvnkmtps niaivlgpnl lwarnegtla emaaatsvhv vaviepiiqh 360
 E--> 1863 adwffpeeve fnvseafvpl ttpssnhsfh tgndsdsctl erkrrpasmav megdlvkkes 420
 E--> 1864 ppkpdpvsa avpapgrnns qiasgqnqpq aaagshqlsm gqphnaagps phtlrravkk 480
 E--> 1865 papappkpgn pppghpggqs ssgtsqhpps lspkpptrsp spptqhtgqp pgqpsapsql 540
 E--> 1866 saprryssl spiqapnhpp pqpptqatpl mhtkpnsqgp pnpmalpseh gleqpshtpp 600
 E--> 1867 qtptppstpp lgkqnpplpa pqtlaggnpe taqphagtlp rprvpkprn rpsvppppqp 660
 E--> 1868 pgvhsagdss ltntaptask ivtdsnsrvs ephrsifpem hsdsaskdvp grillldidnd 720
 E--> 1869 testal 726

The circled letters
 represent invalid
 nucleotide designations,
 per sequence Rules.
 (sample of errors throughout
 sequence 4)

These
 resemble
 one-letter
 amino
 acids

Please consult sequence
 Rules, and WIPO Standard
 ST.25, Appendix 2, Tables 1
 and 2

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/770,689

DATE: 06/07/2001

TIME: 12:19:28

Input Set : A:\Seqlist.txt

Output Set: C:\CRF3\06072001\I770689.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1857 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:31
L:1858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1858 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:18
L:1859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1859 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:22
L:1860 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:23
L:1861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1861 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:25
L:1862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1862 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:22
L:1863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1863 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:19
L:1864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1864 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:19
L:1865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1865 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:29
L:1866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1866 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:29
L:1867 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1867 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:31
L:1868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:1868 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:15
L:1869 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2